



Roland

HP-130 / EP-85

DIGITAL PIANOS

 ATTENTION RISQUE DE CHOC ELECTRIQUE NE PAS OUVRIR	CAUTION RISK OF ELECTRIC SHOCK DO NOT OPEN	
CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.		



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the product.

INSTRUCTIONS PERTAINING TO A RISK OF FIRE, ELECTRIC SHOCK, OR INJURY TO PERSONS.

IMPORTANT SAFETY INSTRUCTIONS SAVE THESE INSTRUCTIONS

WARNING - When using electric products, basic precautions should always be followed, including the following:

1. Read all the instructions before using the product.
2. Do not use this product near water — for example, near a bathtub, washbowl, kitchen sink, in a wet basement, or near a swimming pool, or the like.
3. This product should be used only with a cart or stand that is recommended by the manufacturer.
4. This product, either alone or in combination with an amplifier and headphones or speakers, may be capable of producing sound levels that could cause permanent hearing loss. Do not operate for a long period of time at a high volume level or at a level that is uncomfortable. If you experience any hearing loss or ringing in the ears, you should consult an audiologist.
5. The product should be located so that its location or position does not interfere with its proper ventilation.
6. The product should be located away from heat sources such as radiators, heat registers, or other products that produce heat.
7. The product should be connected to a power supply only of the type described in the operating instructions or as marked on the product.
8. The power-supply cord of the product should be unplugged from the outlet when left unused for a long period of time.
9. Care should be taken so that objects do not fall and liquids are not spilled into the enclosure through openings.
10. The product should be serviced by qualified service personnel when:
 - A. The power-supply cord or the plug has been damaged; or
 - B. Objects have fallen, or liquid has been spilled onto the product; or
 - C. The product has been exposed to rain; or
 - D. The product does not appear to operate normally or exhibits a marked change in performance; or
 - E. The product has been dropped, or the enclosure damaged.
11. Do not attempt to service the product beyond that described in the user-maintenance instructions. All other servicing should be referred to qualified service personnel.

For the USA

This product may be equipped with a polarized line plug (one blade wider than the other). This is a safety feature. If you are unable to insert the plug into the outlet, contact an electrician to replace your obsolete outlet. Do not defeat the safety purpose of the plug.

For Canada

For Polarized Line Plug

CAUTION: TO PREVENT ELECTRIC SHOCK, MATCH WIDE BLADE OF PLUG TO WIDE SLOT, FULLY INSERT.
ATTENTION: POUR ÉVITER LES CHOCs ÉLECTRIQUES, INTRODUIRE LA LAME LA PLUS LARGE DE LA FICHE DANS LA BORNE CORRESPONDANTE DE LA PRISE ET POUSSER JUSQU' AU FOND.

For the U.K.

IMPORTANT: THE WIRES IN THIS MAINS LEAD ARE COLOURED IN ACCORDANCE WITH THE FOLLOWING CODE.

BLUE: NEUTRAL
 BROWN: LIVE

As the colours of the wires in the mains lead of this apparatus may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:

The wire which is coloured BLUE must be connected to the terminal which is marked with the letter N or coloured BLACK.
 The wire which is coloured BROWN must be connected to the terminal which is marked with the letter L or coloured RED.

Roland

HP-130 / EP-85

DIGITAL PIANOS

Owner's Manual

Thank you, and congratulations on your choice of the Roland HP-130/ep-85 Digital Piano.

Designed to make it easier for more people to have fun with music, the HP-130/ep-85 has firm roots in the same leading-edge technology and manufacturing know-how that has made Roland a leader in electronic musical instrument development. The HP-130/ep-85 provides 8 sounds and an accompaniment section (called Pianist) with 11 inspiring patterns for you to have fun with. When controlled by an external sequencer or computer with sequencing software, the HP-130/ep-85 can be used as multitimbral sound module that conform to the GS format (241 sounds, 9 Drum Sets).

The HP-130/ep-85 also provides additional features, including a convenient recording function. This manual explains how to use the HP-130 and ep-85. Aspects that are only available on the HP-130 will be clearly marked as such.

Please read this manual in its entirety before starting out. Have fun!

Precautions

In addition to the items listed under "IMPORTANT SAFETY INSTRUCTIONS" and "USING THE UNIT SAFELY", please read and observe the following:

❑ Power Supply

- Do not use this instrument on the same power circuit with devices that will generate line noise (such as an electric motor or variable lighting system).
- Before connecting the HP-130/ep-85 to other devices, turn off the power to all units. This will help prevent malfunctions and/or damage to speakers or other devices.

❑ Placement

- This instrument may interfere with radio and television reception. Do not use it in the vicinity of such receivers.
- Do not place the instrument near devices that produce a strong magnetic field (e.g., loudspeakers).
- Install the ep-85 on a solid, level surface and mount the HP-130 on its stand.
- Do not expose the HP-130/ep-85 to direct sunlight, place it near devices that radiate heat, leave it inside an enclosed vehicle, or otherwise subject it to temperature extremes. Excessive heat can deform or discolor the unit.

❑ Maintenance

- For everyday cleaning wipe the instrument with a soft, dry cloth or one that has been slightly dampened with water. To remove stubborn dirt, use a mild, non-abrasive detergent. Afterwards, be sure to wipe the instrument thoroughly with a soft, dry cloth.
- Never use benzene, thinners, alcohol or solvents of any kind, to avoid the possibility of discoloration and/or deformation.

❑ Repairs and data backup

- Please be aware that all data contained in the HP-130/cp-85's memory may be lost when the instrument is sent for repairs. During repairs, due care is taken to avoid the loss of data. However, in certain cases (such as when circuitry related to memory itself is out of order), we regret that it may not be possible to restore the data. Roland assumes no liability concerning such loss of data.

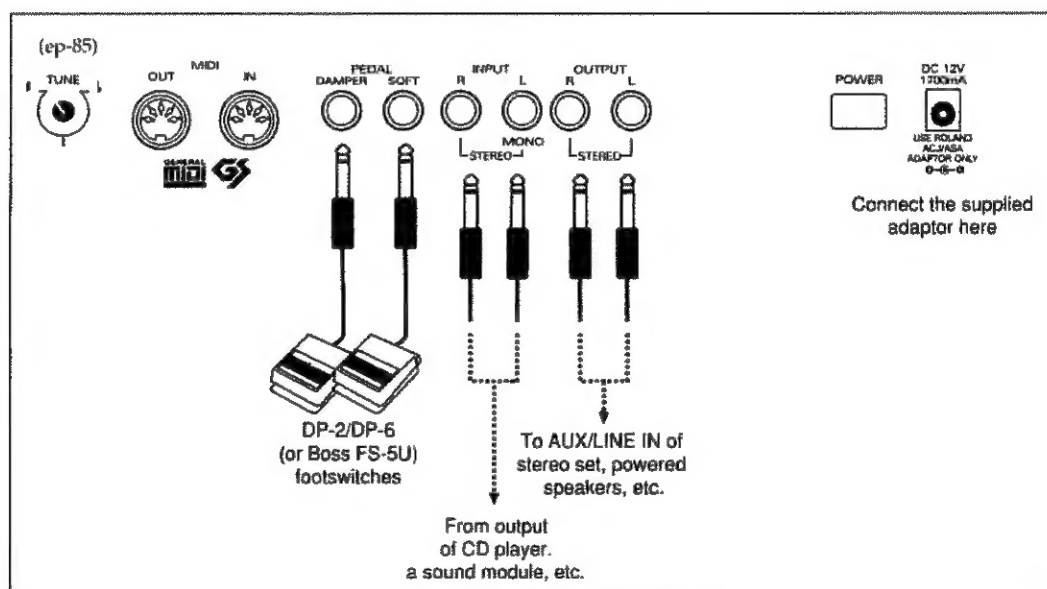
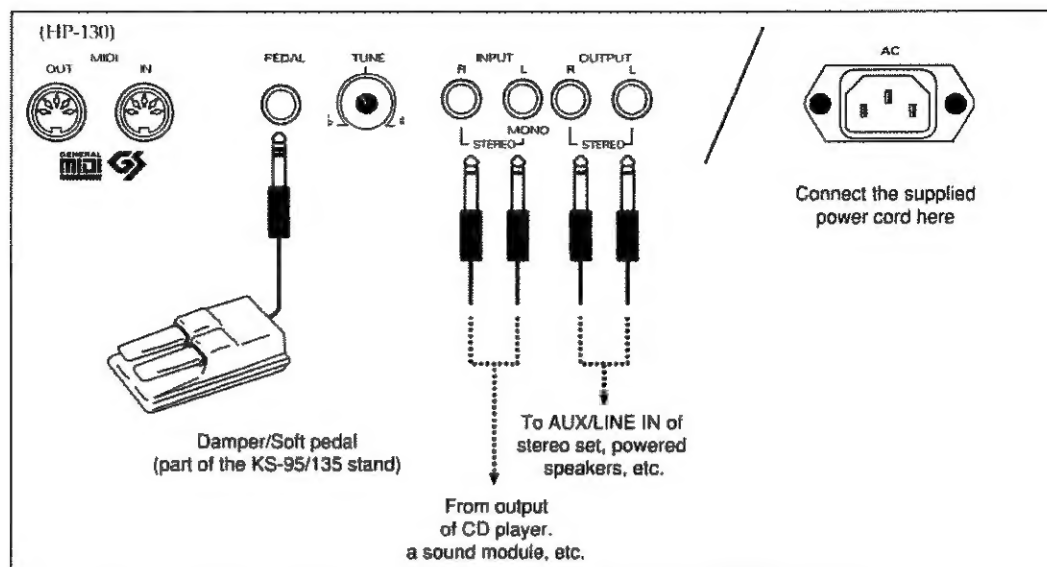
❑ Additional precautions

- Please be aware that the contents of memory can be irretrievably lost as a result of a malfunction, or the improper operation of the instrument.

- Use a reasonable amount of care when using the instruments's buttons, sliders other controls. Rough handling can lead to malfunctions.
- When connecting/disconnecting all cables, grasp the connector itself — never pull on the cable. This way you will avoid causing shorts, or damage to the cable wires.
- A small amount of heat will radiate from the instrument during normal operation.
- To avoid disturbing your neighbors, try to keep the instrument's volume at a reasonable level. At times, it may be preferable to use headphones.
- When you need to transport the HP-130/ep-85, package it in the box (including padding) that it came in or use a hard or soft case.

Connections/powering up

Before making any connections, make sure you have the power on your instrument turned off.

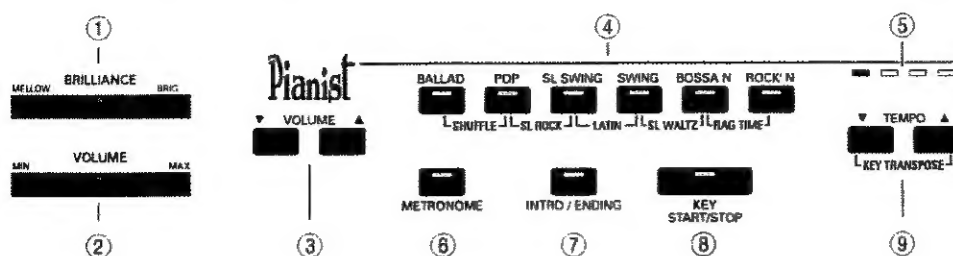


Connect the supplied power cord (HP-130) or AC adaptor (ep-85) and the damper/soft pedal cable of the KS-135 stand (HP-130), or the supplied DP-6 pedal (ep-85) to the HP-130/ep-85.

If you wish to use headphones, insert the plug into the PHONES jack on the front of the instrument (left side of the keyboard).

Once headphones are connected to this jack, sound is no longer output from the speakers. This makes it ideal for times when you wish to play without disturbing your neighbors or family (late at night, for example). The ep-85 can accommodate two sets of headphones.

Front panel



1. BRILLIANCE slider (HP-130 only)

Move this slider towards the right (BRIGHT) to make the overall sound brighter. Move it to the left if you prefer a mellower tone. Set it to its central position to apply no tone correction (flat).

2. VOLUME slider

Use this slider to set the global volume of your HP-130/ep-85. The more you move it to the right (towards MAX), the louder the HP-130/ep-85 will sound. When connecting headphones, we suggest you first set the [VOLUME] slider to the MIN position and then gradually increase the volume. Please bear in mind that listening at excessive volumes for an extended period of time may cause lasting damage to your hearing.

3. VOLUME ▲/▼ buttons

These buttons allow you to set the Pianist's level (see below) relative that of the sound assigned to the keyboard. You can also use them to establish the desired balance between the two sounds you assigned to the keyboard (using two sounds simultaneously is called *layering*). Press the ▲ button to increase the volume of the accompaniment or layered sound, or the ▼ button to decrease it.

4. Style selection buttons

These buttons allow you to select the desired accompaniment. To select a Style whose name appears below these buttons, you need to press two buttons simultaneously.

5. TEMPO indicators

These indicators flash to indicate the time signature and tempo of the selected Style. The red indicator flashes on every downbeat of a measure. Depending on the Style you selected, not all indicators may be used. If you select the SL WALTZ Style, for instance, only the first three indicators will flash (3/4).

6. METRONOME button

Press this button to switch the metronome on (indicator lights) and off (indicator goes dark).

7. INTRO/ENDING button

Press this button to start Style playback with an introduction, or to finish with a suitable ending.

8. KEY START/STOP button

Press this button (indicator lights) whenever you want to use the HP-130/ep-85's Pianist. Doing so will split the keyboard at middle C (C4) and start playback of the Pianist (either with or without an introduction, see above) the moment you play a note or chord in the left half of the keyboard.

9. TEMPO/KEY TRANSPOSE ▲/▼ buttons

These buttons allow you set the tempo of the HP-130/ep-85's Pianist and metronome. Press ▲ to increase the tempo and ▼ to decrease it. You can also use these buttons to transpose the keyboard.



10. REC button

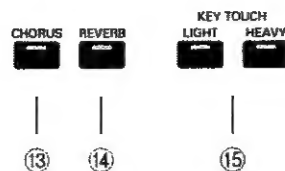
Press this button if you want to record your performance using the HP-130/ep-85's Recorder. You can record either with or without accompaniment.

11. PLAY/DEMO button

Use this button to start playback of your own song or of the demonstration songs.

12. Tone selection buttons

Press one (or two) of these buttons to select the sound(s) you wish to play on the keyboard.

**13. CHORUS button**

Press this button to switch the digital Chorus effect on (indicator lights) or off (indicator goes dark). If you press and hold this button, you switch on/off the MIDI synchronization function.

14. REVERB button

Press this button to switch the digital Reverb effect on (indicator lights) or off (indicator goes dark).

15. KEY TOUCH (Only HP-130)

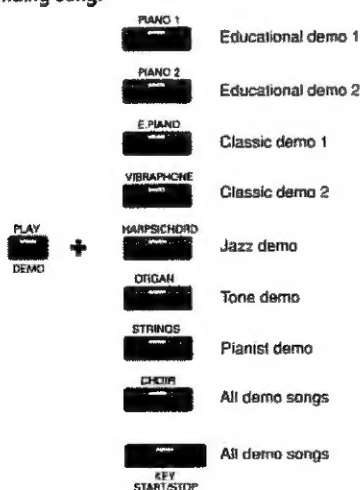
These buttons allow you to change the HP-130's response to your playing dynamics. See "Key Touch: velocity sensitivity" for details.

Listening to the demo songs

The HP-130/ep-85 comes with seven songs that demonstrate the quality of its Tones and Styles.

Note: See the explanation under step (2) of "First steps" if the demo function doesn't seem to work.

1. Connect all supplied accessories (see "Connections/powering up").
2. Hold down the [PLAY] button and press one of the following Tone select buttons to start playback of the corresponding song.



(The indicator of the [PLAY] button lights, while the indicator of the Tone select button you pressed flashes.)

To listen to all demo songs in sequence, hold down [KEY START/STOP] while pressing [PLAY].

3. Press the [PLAY] or [KEY START/STOP] button to stop playback of the demo song(s).

Note: You cannot play on the keyboard while a demo song is played back. If you want to start playing again, stop the demo song(s).

Demo songs and composers

Educational 1	M. Clementi - Sonatina Op.36 n°1, J.S. Bach - Minuetto - Minuetto
Educational 2	L.Van Beethoven - Sonatina in Sol, W.A. Mozart - Sonata K.545
Classic 1	F. Chopin - Studio Op. 10 n°4
Classic 2	M. Ravel - Valse Noble et Sentimentales n° 3
Jazz	Massimiliano Cocchi - Flower
Tones	Various Composers
Pianist	Styles demo

Profile of the demo songs Arranger Massimiliano Cocchi

Massimiliano Cocchi graduated in piano with excellent marks. After getting his degree with Maestro Marvulli at the Pescara Academy of Music, he decided to perfect his skills by attending a three-year specialization course.

A concert pianist and composer, Massimiliano plays recitals and performs with chamber orchestras.

On an international level, he has performed in Germany with such famous artists as M. Strauss, S. Collot, R. Todorache as well as with the International French Orchestra. At home, Massimiliano has played in all major Italian cities, including solo performances with the Bari and Pescara Symphony Orchestras.

Massimiliano has just recorded a CD of his own work with a trio. The winner of several national and international competitions, he has been working for Roland as musical adviser since 1992.

Using the HP-130/ep-85 with the Pianist

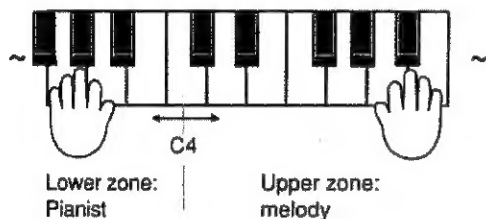
The first time you switch on your HP-130/ep-85, it will automatically select the Pianist mode. See step (2) under "First steps" if you have selected the piano mode. Note that the HP-130/ep-85 can be used as a "real" piano in Pianist mode (i.e. without accompaniment). Just don't press the [KEY START/STOP] button... But do have a listen at the Pianist just the same.

1. Connect all supplied accessories (see "Connections/powering up").

2. Press the [KEY START/STOP] button (indicator lights).

The Pianist is an automatic accompaniment function that provides a piano accompaniment for your melodies based on the chords you play with your left hand.

Unlike the normal piano mode (see page 10), the HP-130/ep-85's Pianist splits the keyboard into two halves. Let's agree to call the left half of the keyboard the Lower zone, and to refer to the right half as the Upper zone. The split point is located at C4 (fourth C from the left).



You are free to select whichever Tone you like for the Upper zone. See page 10 for how to select Tones.

Chord Intelligence

3. Play a C to the left of the C4.

The HP-130/ep-85 now assumes that you wanted to play a C major chord and starts an accompaniment in C major. The function that allows the HP-130/ep-85 to make that assumption is called Chord Intelligence.

Chord Intelligence simplifies chord fingering to a degree that even newcomers will have little trouble playing great music.

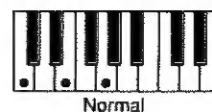
Let's have a look at how Chord Intelligence works. Look at the following examples of C chords and try out the fingering you see in the right illustrations. (For your reference, we also included the correct fingering of these chords. You may need them for playing piano, organ, etc., music.)

Note: By playing your first chord, you will start the Pianist. If you want to stop it, press [KEY START/STOP].

■ C major:



Chord Intelligence



Normal

■ C minor (m):



Chord Intelligence

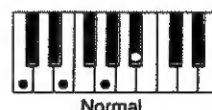


Normal

■ C7:



Chord Intelligence



Normal

■ C minor seventh (m7):



Chord Intelligence



Normal

Note: You can also play chords the usual way.

Note: See the end of this manual for additional chords (also in other keys).

Pianist: musical accompaniments

But why do you need chords? That is because the Pianist uses the selected Style and transposes it to the key you specify by playing (intelligent) chords.

Try this out now: first play a C in the Lower zone, wait until the end of the first bar, then play a G, and go back to C again.

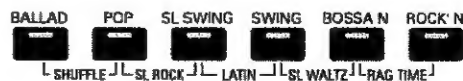
Once you've mastered that, try improvising a melody to the accompaniment with your right hand.

Selecting Styles

The built-in accompaniments of your HP-130/ep-85 are called Styles (just look at the names, such as ROCK'N, to understand why they're called that way).

Here is how to select the desired Style:

4. Press one Style select button to call up a Style whose name appears above these buttons:



The indicator of the button you pressed lights.

5. Simultaneously press two buttons to select a Style whose name appears below the Style select button.

To select a Style of the upper row again, just press its button.

Note: Watch the front panel for the pairs that can be pressed simultaneously. It is not possible, for instance, to hold down [BALLAD] while pressing [BOSSA N].

Pianist volume

If the accompaniment is too loud with respect to your melody, you can lower the its volume with the VOLUME ▲/▼ buttons.

Note: You can hold down these buttons to quickly select significantly lower or higher values.

To return to the preset balance, press both buttons simultaneously.

Style tempo

On page 10, you will find an illustration that contains the time signature and preset tempo values of each Style.

If you think, a Style is too slow, press TEMPO ▲ to increase the tempo. You can set any value between ♩ = 20–250.

If you feel more comfortable at a slightly slower tempo, press TEMPO ▼ instead.

Note: You can hold down these buttons to quickly select significantly lower or higher values.

To return to the preset tempo, press both buttons simultaneously.

Stopping the Pianist

To stop playback of the current Style, press [KEY START/STOP]. Please bear in mind that doing so will switch off the Pianist function, so that the keyboard is no longer split.

You need to press [KEY START/STOP] again to switch the Pianist back on again.

Intro/Ending

The [INTRO/ENDING] button serves two functions:

- If you press it while the Pianist is not playing, you select an introduction for the current Style. As soon as you play a note or chord in the Lower zone, Style playback will begin with an introduction.

Note: You can also activate the Pianist by pressing this button. In that case, there is no need to press [KEY START/STOP] (both indicators will light).



- If you press [INTRO/ENDING] while the Pianist is playing, Style playback will stop after playing an ending (coda). The Ending always starts on the next downbeat.

Note: The [INTRO/ENDING] button doesn't work when the Pianist mode is switched off (see next page).

Changing the split point

As you know, the preset split point between the Upper section and the Pianist is set at C4. There may be times when that is just a little too far to the left or right.

The HP-130/ep-85 allows you to change the split point to any key between C3 and the C5 (that is, one octave up or down with respect to the preset value). Here is how to change it:

1. Press and hold down any Style select button until its indicator starts flashing.
2. Press the key on the keyboard is to become the new split point.

This split point is memorized when you switch off your HP-130/ep-85. Be aware, however, that the HP-130/ep-85 will revert to C4 when you recall the factory settings.

Using the HP-130/ep-85 as a piano

Let us now look at how to operate the HP-130/ep-85 to play piano, organ, etc. music without accompaniment.

First steps

1. Connect all supplied accessories (see "Connections/powering up").
2. Hold down [KEY START/STOP] and switch on the HP-130/ep-85.

This is only necessary if you want to disable the Pianist (piano teachers may want to do this).

Note: Please bear in mind that by selecting the piano-only mode, you will also disable the demo function and the [INTRO/ENDING] button.

See "Initializing the HP-130/ep-85" for how to activate the Pianist again.

3. Press the Tone selection button assigned to the sound you wish to use.
Eight of the 241 sounds (let's agree to call them Tones) are assigned to front-panel buttons. These are the Tones you can select on the HP-130/ep-85 itself.

The remaining Tones (and Drum Sets) can only be selected via MIDI.

The Tones you can select are:

PIANO 1	A realistic Grand Piano sound
PIANO 2	A bright piano sound
E. PIANO	An electric piano
VIBRAPHONE	A refreshing vibraphone sound
HARPSICHORD	A brilliant harpsichord sound
ORGAN	The sublime sound of a pipe organ
STRINGS	The sound of a string ensemble
CHOIR	The rich sound of a mixed choir

4. Use the [VOLUME] slider to set the desired volume.

Adding effects

1. Press the [CHORUS] and/or [REVERB] button to add the corresponding effect (indicator lights).



The *Chorus* effect gives the impression that several instruments (slightly out of tune) are playing the same part in unison. This effect creates a broad stereo image and is especially suitable for

the E.PIANO, VIBRAPHONE, or STRINGS Tones.

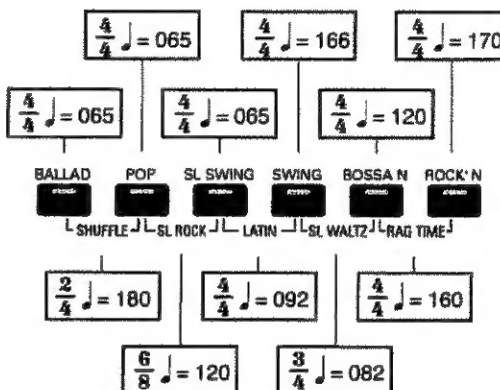
The *Reverb* effect creates the same echo-like effect you hear in a church, in a large hall, etc. Use it to add depth to your music.

2. Press the [CHORUS] and/or [REVERB] button again to switch off the effect (indicator goes dark).

Using the metronome

Your HP-130/ep-85 features a metronome you may want to use for practising purposes. Here is how to operate it:

1. Press the Style select button that corresponds to the time signature you need:



Use the preset tempo of the Style in question as a starting point but keep in mind that you can change the tempo with TEMPO ▲/▼.

2. Press the [METRONOME] button (indicator lights). You can also change the volume of the metronome:
3. Hold down the [METRONOME] button until its indicator starts flashing.
4. Use the VOLUME ▲/▼ buttons to set the metronome volume.
5. Release the [METRONOME] button.
To switch the metronome off again, press [METRONOME] one more time.

Recalling the default metronome Volume

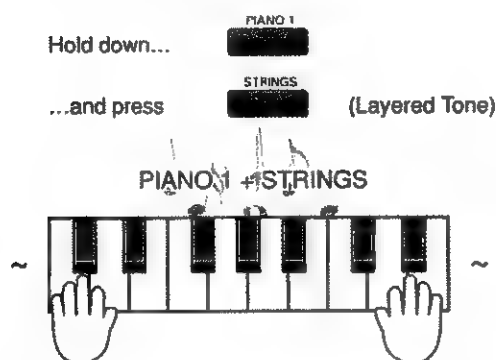
To restore the metronome default volume, press both VOLUME ▲/▼ buttons.

Layering two sounds

You can also press two Tone selection buttons simultaneously. (Alternatively, hold down one button while pressing another one.)

A combination of two Tones that sound simultaneously is called a *Layer*. The most widely used layer combination is piano and strings, but layers consisting of an acoustic and an electric piano also work well, while organ and choir can be downright impressive.

Here's an example of how to layer the PIANO1 and STRINGS Tones.



(The indicators of the two buttons you pressed light.)

Please bear in mind that the Tone assigned to the second select button you press becomes the "layered" Tone. That is important for the following:

It is also possible to change the volume balance of the main and layered Tones by increasing or decreasing the level of the layered Tone.

1. Hold down either button of the Tones that make up your layer.

After a few seconds, the indicator of the layered Tone starts flashing to indicate that you can now set its volume. Here is an example for setting the volume balance of the PIANO1 + STRINGS layer:



2. Use the VOLUME ▲/▼ buttons to set the volume of the layered Tone.
Press VOLUME ▲ to increase the level of the layered Tone, or VOLUME ▼ to decrease it.
3. Release the select button of the layered Tone.
The indicators of both Tones of your layer light again.

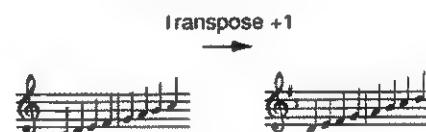
Restoring the preset Layer volume

To restore the default Layer volume, press both VOLUME ▲/▼ buttons.

Note: The layer and the balance setting will be cancelled when you switch off your HP-130/ep-85.

Key Transpose

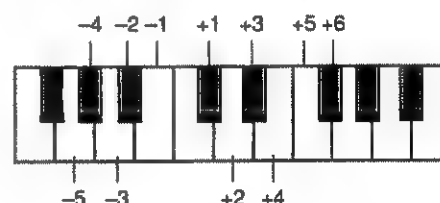
You can also transpose the HP-130/ep-85. Key Transpose is a function that allows you to play a piece in one key and to hear it in another one. Look at the following example:



This is what you play.... ...this is what you hear.

Note: Key Transpose applies to Pianist and piano modes but not to the Recorder (see below). If you know that your song needs to be transposed during playback, set the transposition interval before recording it.

1. Simultaneously press TEMPO ▲ and ▼ and hold down these buttons until the indicator of the selected Tone (and possibly also the layer Tone) starts flashing.
2. Press one of the following keys to select the transposition interval:



To sound a piece in G while playing it in C, for example, press a G. Every key represents a semi-tone.

Since not all pieces are written in C, you may want to familiarize yourself with the semi-tone system.

Here's an example: suppose you are used to playing "When The Saints" in A. One day, a member of your family asks you to accompany him or her but he/she studied the song in D. In that case, you have to count the number of semi-tones it takes to go from A to D (either: G#/G/F#/F/E/D#, D= 7, or A#/B/C/C#/D= 5). Seeing that 7 semi-tone-intervals are not supported by the HP-130/ep-85, you'll have to hold down TEMPO ▲ and ▼ while pressing the F, because the F is five semi-tones away from the C (see the above illustration).

3. Release the TEMPO ▲/▼ buttons.
To cancel the transposition, hold down TEMPO ▲ and ▼, while pressing a C key.

Note: The transposition interval will also be canceled when you switch off the HP-130/ep-85.

Key Touch: velocity sensitivity (Only HP-130)

If your HP-130 is a family instrument, your children may have problems getting the notes to sound at the desired volume. Velocity sensitivity (or Key Touch) is a learned term to describe how an electronic instrument interprets the speed or force at/with which you strike the keys.

To accommodate all playing styles, the HP-130 features two buttons that allow you to apply different translations to the way the keys are pressed:



For young children, you may want to press KEY TOUCH [LIGHT] (indicator lights). In that case, even relatively softly played notes will be translated as "forte".

Persons who are used to playing on a heavy keyboard should press KEY TOUCH [HEAVY] (indicator must light).

To return to normal velocity sensitivity, press the same button ([LIGHT] or [HEAVY]) again so that its indicator goes dark.

Note: At power-on, the HP-130 will return to normal Key Touch (both indicators off).

About the pedals

The HP-130/ep-85 accommodates the use of two pedals: the Damper pedal, and the Soft pedal.

The HP-130 comes with a pedal unit built into its stand, while one DP-6 pedal is supplied with the ep-85. (You may wish to purchase a second pedal to take advantage of the Soft function.)

See "Connections/powering up" for how to connect the pedals. Here is what they do:

- **Damper:** sustains the notes you are playing at the time you press the pedal. All subsequent notes will also be sustained for as long as you keep the pedal depressed.
- **Soft:** reduces the volume of the notes you play. This may be useful for playing baroque music with the HARPSICHORD sound or any classical piano piece.

Using the Recorder

Your HP-130/ep-85 also contains a Recorder function that allows you to record your own versions of existing music or your original songs. Feel free to use the Pianist so that you can concentrate on the melody while the Pianist takes care of the accompaniment. There is one Recorder memory with a capacity of about 1000 notes.

Recording

1. Press [REC] (indicator lights).

This won't start the Recorder, it merely selects the record standby mode.



2. Start the metronome.

See "Using the metronome". This is important if you intend to start the Pianist after an Ad-Lib introduction. Also, the tempo and time signature depend on the Style you selected and the tempo value you set.

(There is nothing wrong with recording without metronome but you should really only do so if you have no intention to bring in the Pianist at some point.)

3. Start recording in one of the following ways:

- **Press [REC] again. In that case, you'll have to stop the recording by pressing [REC] yet again.**

- **Press any key on the keyboard.**

In either case, you can start the Pianist by pressing [KEY START/STOP]. It will start playing on the next downbeat.

You can also stop the Pianist by pressing [KEY START/STOP] again – without stopping the Recorder.

- **Press [KEY START/STOP] and play a note or chord to the left of the split point.**

Both the Recorder and the Pianist will start at the same time. To stop recording, press [INTRO/ENDING] (in which case the Pianist will play an ending), [KEY START/STOP], or [REC].

Note: There is no need to wait until the metronome reaches the downbeat of the next measure before starting the recording. If you jump the gun, the metronome will reset itself to match your timing.

Notes about the Recorder:

- Everything you do will be recorded: the notes you play, the Tones/Styles you select, even Chorus on/off and Reverb on/off.
- If the Recorder's memory is almost full, the indicator of the [REC] button starts flashing. If you ignore this warning and continue recording, the REC indicator will go out, and the recording will be stopped once the memory is full.
- Your song will be kept in memory until you erase it by simultaneously pressing [REC] and [PLAY].
- The song data can be transmitted to an external sequencer (via MIDI).

Playback

Press [PLAY] (indicator lights) to listen to your song.

(During Recorder playback, the [KEY START/STOP] and [INTRO ENDING] buttons cannot be used.)

Playback will stop automatically at the end of the song. If you want to stop it before reaching the end, press [PLAY] again.

Note: The [PLAY] button won't function if the HP-130/ep-85 contains no song.

Initializing the HP-130/ep-85

You probably only need to initialize your HP-130/ep-85 if you disabled the Pianist function and then want to use it again.

Here is what the HP-130/ep-85 does when you initialize it:

- The Pianist is activated again.
 - The demo songs can once again be played back.
 - The Recorder song in the HP-130/ep-85's internal memory is erased.
1. Switch off the HP-130/ep-85.
 2. Hold down the [REC] button while switching the HP-130/ep-85 back on again.

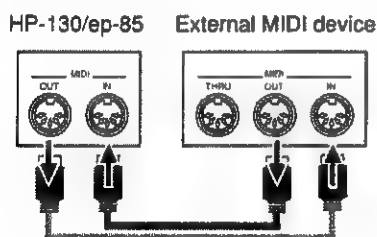
Using MIDI

MIDI is short for *Musical Instrument Digital Interface*. The concept refers to many things, the most obvious being a connector type that is used by musical instruments and effects devices to exchange messages relating to the act of making music. Every time you play on the HP-130/ep-85's keyboard or start the Pianist, your instrument will send MIDI data to its MIDI OUT port. If you connect that port to the MIDI IN port of another instrument, that instrument may play the same notes as the HP-130/ep-85.

MIDI is a language that translates every action relating to music into binary digits that can be transferred via a MIDI cable. It is a universal standard, which means that musical data can be sent to and received by instruments of different types and manufacturers. Furthermore, MIDI allows you to connect your HP-130/ep-85 to a computer or hardware sequencer.

Requirements for receiving and transmitting MIDI data

MIDI messages are transmitted and received using two (sometimes three) connectors and special MIDI cables:



- MIDI IN:** This connector receives messages from other MIDI devices.
- MIDI OUT:** This connector transmits MIDI messages generated on your HP-130/ep-85.
- MIDI THRU:** This connector "echoes back" all MIDI messages received via MIDI IN (not available on the HP-130/ep-85).

Explaining MIDI in great detail lies beyond the scope of this manual. There is a booklet called *MIDI Guide* available from your Roland dealer that tells you the ins and outs of MIDI.

Here is what MIDI allows you to do:

- You can play on the HP-130/ep-85's keyboard and have another instrument play exactly the same notes (usually with a different sound). That is the same as layering two sound on the HP-

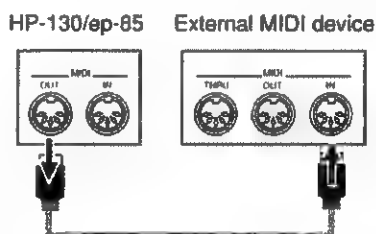
130/ep-85 itself, except that the external sound doesn't use your HP-130/ep-85's voices (it is 28-voice polyphonic).

- You can connect the HP-130/ep-85 to a computer with sequencer software or a hardware sequencer and have it play back the notes transmitted by the sequencer (software).

If you play back GM/GS compatible Standard MIDI Files, the HP-130/ep-85 will function as 16-part multitimbral sound module (like a Roland Sound Canvas).

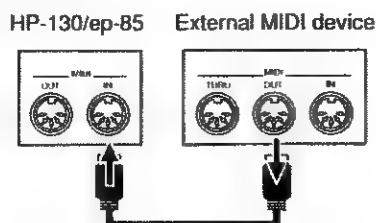
Your HP-130/ep-85 receives on all 16 MIDI channels and can play back as many as 16 parts using different sounds (a feature referred to as *multitimbral*).

To be able to transmit MIDI data to a receiving device, connect the HP-130/ep-85's MIDI OUT port to the external module's/sequencer's MIDI IN port.



In the case of a sequencer, you may also want to connect the external device's MIDI OUT port to the HP-130/ep-85's MIDI IN port. (When recording sequences, you need to switch off the sequencer's MIDI Thru function.)

To be able to receive MIDI data from an external synthesizer, sequencer, etc. connect the HP-130/ep-85 as follows:



Note: Please use dedicated MIDI cables, such as the Roland MSC-15/25/50 (optional).

Program changes

"Program changes" are MIDI messages that tell the receiving instrument to select another sound (or memory) and also contain information about which Tone to select. Using program changes is a convenient way of ensuring that a given song is played back with the desired sound.

Your HP-130/ep-85 receives and transmits the following program change numbers (when used as a piano rather than a GS module):

01	Piano1
02	Piano2
05	E. Piano
12	Vibraphone
07	Harpsichord
20	Organ
49	Strings
53	Choir

See the end of this manual for a list of all available GM/ GS sounds and Drum Sets as well as their program change and bank select messages

Specifications

	HP-130	ep-85
Keyboard	88 keys, velocity sensitive	
Polyphony	28 voices	
Sounds	8 selectable via dedicated front-panel buttons (PIANO1, PIANO2, E.PIANO, VIBRAPHONE, HARPSICHORD, ORGAN, STRINGS, CHOIR) 241 Tones + 9 Drums Sets (selectable via MIDI)	
Digital effects	Digital Chorus, Digital Reverb	
Recorder	Records and plays back note and pedal data as well as tempo changes. 1 song (± 1000 notes)	
Tuning function	± 50 cents (TUNE knob)	
Controls	BRILLIANCE slider (brightness) VOLUME slider (global volume) Pianist VOLUME $\blacktriangle/\blacktriangledown$ buttons Music Style selection buttons (Ballad, Pop, Sl Swing, Swing, Bossa N, Rock'N Shuffle, Sl Rock, Latin, Sl Waltz, Rag Time) METRONOME (on/off) button INTRO/ENDING button TEMPO/KEY TRANSPOSE $\blacktriangle/\blacktriangledown$ buttons KEY START/STOP button Recorder REC, PLAY/DEMO buttons Tone selection buttons (Piano1, Piano2, E.Piano, Vibraphone, Harpsichord, Organ, Strings, Choir) CHORUS, REVERB buttons KEY TOUCH LIGHT/HEAVY buttons (Rear panel) TUNE knob	VOLUME slider (global volume) Pianist VOLUME $\blacktriangle/\blacktriangledown$ buttons Music Style selection buttons (Ballad, Pop, Sl Swing, Swing, Bossa N, Rock'N Shuffle, Sl Rock, Latin, Sl Waltz, Rag Time) METRONOME (on/off) button INTRO/ENDING button TEMPO/KEY TRANSPOSE $\blacktriangle/\blacktriangledown$ buttons KEY START/STOP button Recorder REC, PLAY/DEMO buttons Tone selection buttons (Piano1, Piano2, E.Piano, Vibraphone, Harpsichord, Organ, Strings, Choir) CHORUS, REVERB buttons (Rear panel) TUNE knob
Finish	Simulated Rosewood	Stage-piano look (black)
Connectors	AC inlet MIDI IN/OUT connectors PEDAL (Damper-Soft) jack (stereo) INPUT (L/Mono, R) jacks OUTPUT (L/R) jacks PHONES jack (front side)	DC 12V/1700mA (for ACJ/ASA adaptor) MIDI IN/OUT connectors, Pedal DAMPER & SOFT jacks, INPUT (L/Mono, R) jacks, OUTPUT (L/R) jacks, 2 x PHONES jacks (front side)
Speakers	16 cm x2	12 cm x2
Output power	20 W x2	5 W x2
Dimensions : Piano	1436 (W) x 456 (D) x 176 (H) mm	1326 (W) x 382 (D) x 114 (H) mm
Stand	1436 (W) x 456 (D) x 638 (H) mm	
Total	1436 (W) x 456 (D) x 814 (H) mm	
Weight	Piano: 32.0 Kg. - Stand: 15.3 Kg.	15 Kg. (without AC-Adaptor)
Power consumption	60 W (117 V) - 45 W (230/240 V)	1700mA (DC 9V)
Supplied accessories	KS-135 stand (including 2 pedals) Power cord Music Rest Owner's Manual, MIDI Guidebook	DP-6 footswitch pedal ACJ/ASA adaptor Music Rest Owner's Manual, MIDI Guidebook
Options	Headphones: RH-120, RH-80, RH-20	Headphones: RH-120, RH-80, RH-20 Footswitches (pedals): DP-2, DP-6 KS-9E keyboard stand

In the interest of product improvement, the specifications of this unit are subject to change without prior notice.

Chord Intelligence

C	C#	D	E \flat	E	F
CM7	C#M7	DM7	E \flat M7	EM7	FM7
C7	C#7	D7	E \flat 7	E7	F7
Cm	C#m	Dm	E \flat m	Em	Fm
Cm7	C#m7	Dm7	E \flat m7	Em7	Fm7
Cdim	C#dim	Ddim	E \flat dim	Edim	Fdim
Cm7 (b5)	C#m7 (b5)	Dm7 (b5)	E \flat m7 (b5)	Em7 (b5)	Fm7 (b5)
Caug	C#aug	Daug	E \flat aug	Eaug	Faug
Csus4	C#sus4	Dsus4	E \flat sus4	Esus4	Fsus4
C7sus4	C#7sus4	D7sus4	E \flat 7sus4	E7sus4	F7sus4

● symbol: Indicates the constituent notes of chords.

★ symbol: Chords shown with an "★" can be played by pressing just the key marked with the "★".

● symbol: Indicates the constituent notes of chords.

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★ symbol: Chords shown with an "★" can be played by pressing just the key marked with the "★".



GM/GS Tones/Drum Sets

TONES and VARIATIONS / DRUM SETS

Piano			
Tone #	Pgr	CC#	Tone Name
A11	1	00	Piano 1
A111	00		Piano 1w
A112	16		Piano 1d
A12	2	00	Piano 2
A121	00		Piano 2w
A13	3	00	Piano 3
A131	00		Piano 3w
A14	4	00	Honky-tonk
A141	00		Honky-tonk w
A15	5	00	E. Piano 1
A151	00		Detuned EP 1
A152	16		E. Piano 1v
A153	24		E. Piano 1v
A16	6	00	E. Piano 2
A161	00		Detuned EP 2
A162	16		E. Piano 2v
A17	7	00	Harpsichord
A171	00		Coupled Hps.
A172	16		Harps. w
A173	24		Harps. v
A18	8	00	Clav.

Chr Perc.			
Tone #	Pgr	CC#	Tone Name
A21	9	00	Celesta
A22	10	00	Glockenspiel
A23	11	00	Music Box
A24	12	00	Vibraphone
A241	00		Vib w
A25	13	00	Marimba
A251	00		Marimba w
A26	14	00	Xylophone
A27	15	00	Tubular-bell
A271	00		Church Bell
A272	00		Callion
A28	16	00	Sanitar

Organ			
Tone #	Pgr	CC#	Tone Name
A31	17	00	Organ 1
A311	00		Detuned Or. 1
A312	00		50's Organ 1
A313	00		Organ 100
A314	18		80's Organ 1
A315	17		80's Organ 2
A316	18		80's Organ 3
A317	32		Organ 4
A318	33		Even Bass
A32	18	00	Organ 2
A321	01		Organ 201
A322	00		Detuned Or. 2
A323	32		Organ 5
A33	19	00	Organ 3
A34	20	00	Church Org. 1
A341	00		Church Org 2
A342	16		Church Org 3
A35	21	00	Reed Organ
A36	22	00	Accordion F#
A361	00		Accordian H
A37	23	00	Harmonica 1
A371	01		Harmonica 2
A38	24	00	Randeeean

Guitar			
Tone #	Pgr	CC#	Tone Name
A41	25	00	Nylon-str.Gt
A411	00		Ukulele
A412	16		Nylon Gt. 1
A413	24		Yello Hamms
A414	32		Nylon Gt. 2
A42	26	00	Steel-str.Gt
A421	00		12 str. Gt
A422	00		Nylon - Steel
A423	16		Mandolin
A424	32		Steel-str.Gt2
A43	27	00	Jazz Gt.
A431	00		Hawaiian Gt.
A44	28	00	Clean Gt.
A441	00		Chorus Gt.
A45	29	00	Distorted Gt.
A451	00		Funk Gt.
A452	16		Funk Gt. 2
A46	30	00	Overdrive Gt1
A47	31	00	DistortionGt1
A471	00		Feedback Gt.
A48	32	00	Gt Harmonics
A481	00		Gt. Feedback
A482	16		AcGt Harmon

Bass			
Tone #	Pgr	CC#	Tone Name
A51	33	00	Acoustic Bs.
A52	34	00	Fingered Bs.
A53	35	00	Picked Bs.
A54	36	00	Slide Bass 1
A55	37	00	Slide Bass 2
A56	38	00	Synth Bass 1
A57	39	00	Synth Bass 101
A571	01		Synth Bass 3
A572	00		Synth Bass 2
A58	40	00	Synth Bass 201
A581	01		Synth Bass 4
A582	00		Synth Bass 4
A583	16		Rubber Bass

Strings & orch.			
Tone #	Pgr	CC#	Tone Name
A61	41	00	Violin
A611	00		Slow Violin
A62	42	00	Viola
A63	43	00	Cello
A64	44	00	Contrabass
A65	45	00	Trombone Str
A66	46	00	MaracasStr
A67	47	00	Harp
A68	48	00	Timpani

Ensemble			
Tone #	Pgr	CC#	Tone Name
A71	49	00	Strings
A711	00		Orchestra
A72	50	00	Slow Strings
A73	51	00	Syn.Strings1
A731	00		Syn.Strings2
A74	52	00	Syn.Strings3
A75	53	00	Choir Aahs
A751	32		Choir Aahs 2
A76	54	00	Vocal Oohs
A77	55	00	SynVoc
A78	56	00	OrchestraHt

Brass			
Tone #	Pgr	CC#	Tone Name
A81	57	00	Trumpet
A811	01		Trumpet 2
A82	58	00	Trombone
A821	01		Trombone 2
A83	59	00	Tuba
A84	60	00	MutedTrumpet
A85	61	00	French Horn
A851	01		French Horn 2
A86	62	00	Brass 1
A861	00		Brass 2
A87	63	00	Synth Brass1
A871	00		Synth Brass3
A872	16		AnalogBrass1
A88	64	00	Synth Brass2
A881	00		Synth Brass4
A882	16		Analog Brass 2

Reed			
Tone #	Pgr	CC#	Tone Name
B11	65	00	Soprano Sax
B12	66	00	Alto Sax
B121	00		Sax 1
B13	67	00	Tenor Sax
B131	00		Sax 2
B14	68	00	Baritone Sax
B15	69	00	Oboe
B16	70	00	English Horn
B17	71	00	Bassoon
B18	72	00	Clarinet

Pipe			
Tone #	Pgr	CC#	Tone Name
B21	73	00	Piccolo
B22	74	00	Flute
B23	75	00	Recorder
B24	76	00	Pan Flute
B25	77	00	Bottle Blow
B26	78	00	Shakuhachi
B27	79	00	Whistle
B28	80	00	Ocarina

Synth Lead			
Tone #	Pgr	CC#	Tone Name
B31	81	00	Square Wave
B311	01		Square
B312	00		Sine Wave
B32	82	00	Saw Wave
B321	01		Saw
B322	00		Doctor Solo
B33	83	00	Syn.CalBass
B34	84	00	Chirp Lead
B35	85	00	Chewing
B36	86	00	Basic Vsc
B37	87	00	80's Saw Wave
B38	88	00	Bass & Lead

Synth Pad			
Tone #	Pgr	CC#	Tone Name
B41	89	00	Fantasia
B42	90	00	Warm Pad
B43	91	00	PolySynth
B44	92	00	Space Voice
B45	93	00	Ground Glass
B46	94	00	Metal Pad
B47	95	00	Male Pad
B48	96	00	Swamp Pad

Synth Sfx			
Tone #	Pgr	CC#	Tone Name
B51	97	00	Ice Rain
B52	98	00	Soundtrack
B53	99	00	Crystal
B531	01		Syn. Matter
B54	100	00	Atmosphere
B55	101	00	Brightness
B56	102	00	Goblin
B57	103	00	Echo Drops
B571	01		Echo Rmt
B572	02		Echo Pan
B58	104	00	Star Theme

Ethnic Misc			
Tone #	Pgr	CC#	Tone Name
B61	105	00	Sitar
B611	01		Sitar 2
B62	106	00	Banjo
B63	107	00	Shamisen
B64	108	00	Koto
B641	00		Tesuto Koto
B65	109	00	Kalimba
B66	110	00	Bug Pipe
B67	111	00	Fiddle
B68	112	00	Shenai

Percussive			
Tone #	Pgr	CC#	Tone Name
B71	113	00	Tinkle Bell
B72	114	00	Agogo
B73	115	00	Steel Drums
B74	116	00	Woodblock
B741	00		Casualties
B75	117	00	Talko
B751	00		Concert BD
B76	118	00	Melo. Tam 1
B761	00		Melo. Tam 2
B77	119	00	Synth Drum
B771	00		808 Tam
B772	00		Elec Perc
B78	120	00	Reverse Cym.

Sfx			
Tone #	Pgr	CC#	Tone Name
B81	121	00	GL.Frt Noise
B811	01		GL.Cul Noise
B812	02		String Snap
B82	122	00	Breath Noise
B821	01		PI Key Click
B83	123	00	Seashore
B831	01		Rain
B832	02		Thunder
B833	03		Wind
B834	04		Stream
B835	05		Bubble
B84	124	00	Bird
B841	01		Dog
B842	02		Horse-Gallop
B843	03		Bird 2
B85	125	00	Telephone 1
B851	01		Telephone 2
B852	02		Door Creaking
B853	03		Door
B854	04		Scratch
B855	05		Windchime
B86	126	00	Helicopter
B861	01		Car-Engine
B862	02		Car Stop
B863	03		Car Pass
B864	04		Car-Crash
B865	05		Brake
B866	06		Train
B867	07		Jetplane
B868	08		Starship
B869	09		Burst Noise
B87	127	00	Applause
B871	01		Laughing
B872	02		Screaming
B873	03		Punch
B874	04		Heart Beat
B875	05		Footstep
B88	128	00	Gun Shot
B881	01		Machine Gun
B882	02		Lasergun
B883	03		Explosion

DRUM SETS			
Drum Set	Pgr	CC#	Set Name
1	1	00	Standard
2	2	00	Room
3	3	00	Power
4	4	00	Electronic
5	5	00	TR-808
6	6	00	Brush
7	7	00	Orchestra
8	8	00	SFX

Tones = Group / Bank / Number / Variation

Pgr = MIDI Program Change Number (1-128)

CC# = MIDI Control Change B. value (0-127)

Bold: Capital Tones

MIDI Implementation Chart

MIDI IMPLEMENTATION CHART

[DIGITAL PIANO]
Model HP-130/ep-85

Date: Feb 1997
Version: 1.00

FUNCTION		TRANSMITTED	RECOGNIZED	REMARKS
Basic Channel	Default Changed	1-6 - 7 1-16, *3	1-16 1-16	1 = Upper voice 6 = Layer voice 7 = Pianist
Mode	Default Messages Altered	Mode 3 x *****	Mode 3 Mode 3, 4 (M=1)	*2
Note Number	True voice	16-114 *****	0-127 0-127	
Velocity	Note ON Note OFF	O 9n v=1-127 O 9n v=0	O 9n v=1-127 X	
After Touch	Key's Ch's	X X	O O	
Pitch Bender		X	O	
Control Change		0,32 O 1 X 5 O 6,38 X 7 X 10 O 11 O 64 O 65 X 66 X 67 O 91 O 93 O 98,99 X 100,101 X 120 X 121 X 84 O	O (MSB only) O O O O O O O O O (Reverb) O (Chorus) O O O O O	Bank select Modulation Portamento time Data entry Panpot TX only for Ch 7 Expression TX only for Ch 7 Sustain (Hold 1) Portamento Sostenuto Soft Pedal Effect 1 depth Effect 3 TX only for Ch 1 - 6 - 7 NRPN LSB, MSB RPN LSB, MSB All sound off Reset all controllers Portamento Control
Prog change:	True #	1-2-5-12-7-20-49-53 *****	O 0-127	
System Exclusive		O	O	Song data Dump at Dump Request F0,41,10,78,11,60,00,00,00,42,00,60,F7
System Common	Song Pos Song Sel Tune	X X X	X X X	
System Real Time	Clock Commands	O O	*1 O *1 O	
Aux Messages	Local ON/OFF All Notes OFF Active Sense Reset	X X O X	O O O X	
Notes	*1 O X is selectable *2 Recognize as M=1 even if M%1 *3 Only via MIDI Sys-Exe			

Mode 1: OMNI ON POLY
Mode 3: OMNI OFF POLY

Mode 2: OMNI ON, MONO
Mode 4: OMNI OFF, MONO

O: YES
X: NO

Information

When you need repair service, call your local Roland Service Station or the authorized Roland distributor in your country as shown below.

ARGENTINA

Instrumentos Musicales S.A.
Florida 638
(1035) Buenos Aires
ARGENTINA
TEL: (01) 394 4029

BRAZIL

Roland Brasil Ltda.
R. Coronel Octaviano da Silveira
203
05522-010 São Paulo BRAZIL
TEL: (011) 843 9377

CANADA

Roland Canada Music Ltd.
(Head Office)
5480 Parkwood Way
Richmond B.C., V6V 2M4
CANADA
TEL: (604) 270 6026

Roland Canada Music Ltd.
(Toronto Office)
Unit 2, 100 Woodbine Downs
Bldg, Eglinton, ON M9W 6Y1
CANADA
TEL: (416) 213 9707

MEXICO

Casa Veerkamp, s.a. de c.v.
Av. Toluca No. 123
Col. Olivar de los Padres
01780 Mexico D.F. MEXICO
TEL: (525) 608 04 80

La Casa Wagner de
Guadalajara s.a. de c.v.
Av. Cometa No. 202 S.J.
Guadalajara, Jalisco Mexico
C.P. 44100 MEXICO
TEL: (033) 813 1411

PANAMA

Productas Superiores, S.A.
Apartado 875 - Panama I
REP. DE PANAMA
TEL: 26 3322

U. S. A.

Roland Corporation U.S.
7201 Dominion Circle
Los Angeles, CA 90040-3696
U.S.A.
TEL: (021) 685 5141

VENEZUELA

Musiland Digital C.A.
Av. Francisco de Miranda,
Centro Parque de Cristal,
Nivel C2 Local 20
Caracas VENEZUELA
TEL: (02) 285 9218

AUSTRALIA

Roland Corporation
Australia Pty. Ltd.
38 Campbell Avenue
Dee Why West, NSW 2099
AUSTRALIA
TEL: (02) 882 8266

NEW ZEALAND

Roland Corporation (NZ) Ltd.
97 Mt. Eden Road, Mt. Eden,
Auckland 3, NEW ZEALAND
TEL: (09) 3098 715

CHINA

Beijing Xinghai Musical
Instruments Co., Ltd.
2 Huangmichang Chan Yang
District, Beijing, CHINA
TEL: (010) 6274 7491

HONG KONG

Tom Lee Music Co., Ltd.
Service Division
22-32 Fun Shan Street, Tsuen
Wan, New Territories,
HONG KONG
TEL: 2435 0911

INDONESIA

PT Galestra Inti
Kompleks Perkantoran
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Jl. Gajah Mada No. 3-5,
Jakarta 10130,
INDONESIA
TEL: (021) 6335 116

KOREA

Cosmos Corporation Service
Station
261 2nd Floor Nak-Won Arcade
Jong-Ro-Ku,
Seoul, KOREA
TEL: (02) 742 8844

MALAYSIA

Bentley Music SDN BHD
No 142, Jalan Bukit Bintang 55100
Kuala Lumpur, MALAYSIA
TEL: (03) 244 3333

PHILIPPINES

G.A. Yungco & Co. Inc.
394 Gil J. Puyat Avenue Makati
Metro Manila 1200,
PHILIPPINES
TEL: (02) 809 9801

SINGAPORE

Sweet Lee Company
BLOCK 241, Bann Street 804-23
Bras Basah Complex,
SINGAPORE 0718
TEL: 3067996

Cristofori Music Pte Ltd.
335, Joo Chiat Road
SINGAPORE 1542
TEL: 3450435

TAIWAN

Sinuba Enterprise (Taiwan)
Co., LTD.
Room 5, 9th Fl. No. 112 Chung Shan
N. Road Sec. 2
Taipei, TAIWAN, R.O.C.
TEL: (02) 561 3339

THAILAND

Theera Music Co., Ltd.
330 Vong Nakhon Kasem, Soi 2,
Bangkok 10110, THAILAND
TEL: (02) 2248821

BAHRAIN

Moon Stone
Bad Al Bahrain Road,
P.O. Box 20077
State of BAHRAIN
TEL: 211 005

IRAN

TARADIS
Mir Emad Ave. No. 15, 10th street
P.O. Box 15075
4171 Teheran, IRAN
TEL: (021) 675 6524

ISRAEL

Halilit P. Greenspoon &
Sons Ltd.
8 Betzar Ha'Aliya Hashvya St.
Tel Aviv-Yafo ISRAEL
TEL: (03) 6923666

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Amman Trading Agency
Prince Mohammed St.
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Amman 11116 JORDAN
TEL: (06) 641200

KUWAIT

Easa Husain Al-Yousifi
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13002 KUWAIT
TEL: 5719499

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Chahine Building, Achrafieh
Beirut, LEBANON
TEL: (01) 3357940

OMAN

OHI Electronics & Trading Co.
LLC
P.O. Box 899
Muscat Sultanate of OMAN
TEL: 706 010

QATAR

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DOHA QATAR
TEL: 423554

SAUDI ARABIA

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Trading Establishment
Middle East Commercial Center
Al-Khobar Dharan Highway
W/hamoud St.
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31952 SAUDI ARABIA
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Center
Khaled Ibn Al Walid St.
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Damascus - SYRIA
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TURKEY

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Istanbul TURKEY
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U.A.E

Zak Electronics & Musical
Instruments Co.
Zabeel Road, Al Sherouq Bldg.,
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(02) 4185551

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Musik Land Limited
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Nairobi Republic of KENYA
TEL: (2) 338 346

MAURITIUS

Philanne Music Center
4th Floor Mollie Happy World
House Sir William Newton Street
Port Louis MAURITIUS
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REUNION

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25 Rue Jules Mermoz
Chaudron - 97790 972401
Ste-Clotilde REUNION
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SOUTH AFRICA

That Other Music Shop
(PTY) Ltd.
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Jula Street)
Braamfontein 2001
Republic of SOUTH AFRICA
TEL: (011) 403 4105

Paul Bothner (PTY) Ltd.
17 Wendt Muller Centre
Claremont 7700
Republic of SOUTH AFRICA
TEL: (021) 64 4030

AUSTRIA

E. Dematte & Co.
Neu-Rom Siemens-Strasse 4
P.O. Box 83
A-6040 Innsbruck AUSTRIA
TEL: (0512) 26 44 260

BELGIUM/HOLLAND/ LUXEMBOURG

Roland Benelus N. V.
Hemstraat 1 B 2260
Overd-Westerlo BELGIUM
TEL: (014) 575811

BELOUSSIA

Tushe
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230001 MINSK
TEL: (0172) 764-911

CYPRUS

Radex Sound Equipment Ltd.
17 Diagonou St., P.O. Box 2046,
Nicosia CYPRUS
TEL: (02) 453 426
(02) 466 423

DENMARK

Roland Scandinavia A/S
Langebrogade 6 Post Box 1937
DK 1023 Copenhagen K,
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TEL: 32 95 3111

FRANCE

MUSIKENGRO
Zac de Folliousses 01706
Les Echets Minibel FRANCE
TEL: 472 26 2700

FINLAND

Roland Scandinavia As,
Filial Finland
Lauffasareentie 54 B
Fin-00201 Helsinki, FINLAND
P.O. Box No. 109
TEL: (0) 482 4020

GERMANY

Roland Elektronische
Musikinstrumente
Handelsgesellschaft mbH.
Oststrasse 46,
22844 Norderstedt, GERMANY
TEL: (040) 52 60000

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V. Dimitriadis & Co. Ltd.
20, Alexandras St. & Boukolinas
54 St.
106 82 Athens, GREECE
TEL: (01) 8232415

HUNGARY

Intermusica Ltd.
Wandhouse Area DEPCY PLAZ
14-2046 Jankahat, HUNGARY
TEL: (23) 338 041

IRELAND

The Dublin Service Centre
Audio Maintenance Limited
11 Brunswick Place
Dublin 2 Republic of IRELAND
TEL: (01) 677 322

ITALY

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Viale delle Industrie, 8
20020 Arese Milano, ITALY
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UL. Mokowa 32,
03-024 Warszawa POLAND
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PORTUGAL

Caius - Tecnologias Audio e
Musica, Lda.
Rua de Catarina 171
4000 Porto PORTUGAL
TEL: (02) 38 4436

RUSSIA

Petromshop Ltd.
11 Sayanskaya Street
Moscow 11531, RUSSIA
TEL: (065) 307 4802

Slami Music Company
Sadovaya-Trumfalnaya st., 19
105015 Moscow, RUSSIA
TEL: (095) 209 2191

SPAIN

Roland Electronics
de España, S. A.
Calle Bolivia 239
08020 Barcelona, SPAIN
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Roland Scandinavia A/S
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S-131 30 Nacka SWEDEN
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SWITZERLAND

Roland (Switzerland) AG
Musitronic AG
Görlacherstrasse 5,
CH-4410 Liestal, SWITZERLAND
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UKRAINE

TIC-TAC
Mira Str. 19/108
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295400 Munkachevo, UKRAINE
TEL: (0331) 414-40

UNITED KINGDOM

Roland (U.K.) Ltd.,
Swansea Office
Atlantic Close, Swansea
Enterprise Park SWANSEA
West Glamorgan SA7 9FJ,
UNITED KINGDOM
TEL: (01792) 707201

For E.C. Countries

This product complies with EC directives

- LOW VOLTAGE 73/23
- EMC 89/336*

Dieses instrument entspricht folgenden EG-Verordnungen:

- NIEDRIGE SPANNUNG 73/23
- EMC 89/336*

Cet instrument est conforme aux directives CE suivantes:

- BASSE TENSION 73/23
- EMC 89/336*



Questo prodotto è conforme alle seguenti direttive CEE

- BASSA TENSIONE 73/23
- EMC 89/336*

Dit instrument beantwoordt aan de volgende EG richtlijnen:

- LAGE SPANNING 73/23
- EMC 89/336*

Este producto cumple con las siguientes directrices de la CE

- BAJO VOLTAJE 73/23
- EMC 89/336*

For the USA

FEDERAL COMMUNICATIONS COMMISSION RADIO FREQUENCY INTERFERENCE STATEMENT

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Unauthorized changes or modification to this system can void the users authority to operate this equipment.
This equipment requires shielded interface cables in order to meet FCC class B Limit.

For Canada

CLASS B

NOTICE

This digital apparatus does not exceed the Class B limits for radio noise emissions set out in the Radio Interference Regulations of the Canadian Department of Communications.

CLASS B

AVIS

Cet appareil numérique ne dépasse pas les limites de la classe B au niveau des émissions de bruits radioélectriques fixés dans le Règlement des signaux parasites par le ministère canadien des Communications.

Roland®

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UPC

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